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Oct 14, 1997

DERWENT-ACC-NO: 1997-554023

DERWENT-WEEK: 199936

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TITLE: Invertible thermal information type multilayer body e.g. for toy, doll,

handicraft and ornamental components - maintains reversible enantitropic between three

states of normal, low and high temperatures

INVENTOR: YASUDA, M

PATENT-ASSIGNEE:

ASSIGNEE CODE
PILOT INK CO LTD PILO

PRIORITY-DATA: 1996JP-0103503 (March 29, 1996)

PATENT-FAMILY:

 PUB-NO
 PUB-DATE
 LANGUAGE
 PAGES
 MAIN-IPC

 JP 09267422 A
 October 14, 1997
 014
 B32B007/02

 US 5928803 A
 July 27, 1999
 000
 B41M003/12

APPLICATION-DATA:

PUB-NO APPL-DATE APPL-NO DESCRIPTOR

 JP 09267422A
 March 29, 1996
 1996JP-0103503

 US 5928803A
 March 28, 1997
 1997US-0827254

INT-CL (IPC): A63 H 33/22; B32 B 7/02; B32 B 27/08; B41 M 3/12

ABSTRACTED-PUB-NO: JP 09267422A

BASIC-ABSTRACT:

The body (1) has a pair of resin layers (2A,2B) with different rates of heat expansion. Deformation displacement is done at the front and back sides by temperature variation. Reversible enantitropic is maintained at normal temperature, low temperature shrunk shape and high temperature swelled shape.

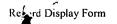
USE - In e.g. thermostatic switch, various industrial components.

ADVANTAGE - Enables easy tuning of colour variation. Formulates arbitrary shape of multilayered body.
ABSTRACTED-PUB-NO:

US 5928803A EQUIVALENT-ABSTRACTS:

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 ${\tt ADVANTAGE}$ - Enables easy tuning of colour variation. Formulates arbitrary shape of multilayered body.

CHOSEN-DRAWING: Dwg.1/19

TITLE-TERMS: INVERT THERMAL INFORMATION TYPE MULTILAYER BODY TOY DOLL HANDICRAFT ORNAMENT COMPONENT MAINTAIN REVERSE THREE STATE NORMAL LOW HIGH TEMPERATURE

DERWENT-CLASS: P36 P73 P75

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-461585